CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021 12.07.2021

TEST REPORT ON PVC PIPE

Client — **Executive Engineer,** Project Division,RR Nagara Zone, BBMP, Bangalore.

Agency — **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of Work — Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample Supplied by : AGENCY

BIS Code — IS 4985:2000

Sample Identification — PVC pipe 25mm dia

Date of Testing — 12.07.2021

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	25	25 mm
2	Mean Outside Diameter (mm)	25	Min 25 mm Max 25 mm
3	Outside Diameter at Any Point (mm)	25.2	Min 24.5 mm Max 25.5 mm

Note:

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2. The results indicated above are based on the tests carried out on the samples received in t
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021

12.07.2021

TEST REPORT ON PVC PIPE

Client **Executive Engineer,** Project Division,RR Nagara Zone, BBMP, Bangalore.

Agency **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of Work Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample Supplied by : AGENCY

BIS Code IS 4985:2000

Sample Identification PVC pipe 32mm dia

Date of Testing 12.07.2021

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	32	32mm
2	Mean Outside Diameter (mm)	32.1	Min 32 mm Max 32.3 mm
3	Outside Diameter at Any Point (mm)	32.3	Min 31.5 mm Max 32.5 mm

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021

Date: 17.07.2021

TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Client : **Executive Engineer, Project** Division,RR Nagara Zone, BBMP,Bangalore.

Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of Work Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Reference to BIS co IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification

IS 3495 (Part 1 to 3) : 1992(RA 2011)

Method of Tests Burnt Clay Building Bricks

Part 1:Determination of Compressive Strength, (Cl 4.2.3)

Part 2:Determination of Water Absorption,(Cl 4.1.3)

Part 3: Determination of Effloresecence, (Cl 4)

Date of test: 12.07.2021 to 17.07.2021

COMPRESSIVE STRENGTH

Sl.No.	Compressive strength of individual bricks (N/mm2)	Acceptability as per IS 1077:1992, Clause 7.1
1	5.2	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	5.6	
3	5.8	
4	5.2	
5	5.3	
Average of 5 bricks	5.4	

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WATER ABSORPTION:

Sl.No.	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	10.5	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	10.8	
3	11.4	
4	10.3	
5	11.5	
Average of 5 bricks	**10.9**	

EFFLORESCENCE:

Sl.No.	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	Moderate	The efflorescence shall not be more than 'moderate" upto class 12.5 and "slight" for higher classes.
2	Moderate	
3	Moderate	
4	Moderate	
5	Moderate	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4585	4520 to 4680 mm
2	Width	2215	2160 to 2240 mm
3	Height	1410	1360 to 1440 mm

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